



RF Reconfiguration 4/21/98

Tap changes

- NL13, 14, 15 go from 10.4 to 11.0kV taps
- NL16, 17, 18 go from 11.0 to 10.4 kV taps
- SL02, 03, 04 go from 10.4 to 11.0 kV taps
- SL05 goes from 11.0 to 10.4 kV taps

DRVH snap file download

- The drvh snap file reflecting these changes and arcing experience todate is ready at `burt/download/DRVHforApril21.snap`

energy lock module changes:

- SL from 19 back to 20 - (Johannes)

the first helium supply manifold will be install on VIP1L18B

- (Marble/Heckman)

TS NL17-1 and 17-2

Tuning

- NL15, which has been detuned for 2+months, will be retuned and used
- SL04 and SL06 which have been detuned for 2+months, will be retuned and used
- SL05 and SL07 will be detuned +50,000 steps and not used till July

New zones for pushing at DRVH with “sticky LEM”

- NL 13, 14, & 15
- SL 2, 3, & 4
- Update sticky LEM files - (Reece)

These need the following trimming:

- 1 Get RF on at ~4 MV/m
- 2 Confirm that Fwd power is reasonable, indicating nominally on tune. If not, hand tune or tune22
- 3 Turn gradient up to GSET= GSET.DRVH (walk gradients up until they clip). Allow tuners to track as needed during process of stepping up gradient.
- 4 Confirm filament voltage appropriate for this cathode voltage.
- 5 Trim RATN to obtain GASK ~ 2.8
- 6 Each time a specific cavity shows an arc trip, turn its GSET down by 0.1 MV/m.

LEM NL and SL with “sticky” version

Trimup of all zones in NL & SL

- 1 All zones ON except those detuned
- 2 Run `~mccops/rf_diagnostics/RATN_trimup`
- 3 Run `~mccops/rf_diagnostics/RATN_trimdown`
- 4 Run `~mccops/rf_diagnostics/ma_economizer`

RF is now ready for beam